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RIDGE-TOP SPREADING IN CALIFORNIA Contributions toward understanding a significant seismic hazard

Edited by Earl W. Hart

CD 2003-05 is a digital collection of seven contributions on ridge-top cracking and spreading and the landforms associated with this process in California. The ridge-top landforms addressed in this volume occur almost exclusively in seismically active regions of California and some of the landforms are associated with fractures caused by historical seismic shaking. This leads to the conclusion that ridge-top depressions, scarps and related landforms are largely caused by intense shaking and presumably identify sites of future intensive shaking and cracking. Contents:

1. Historical Ridge-top Cracking and Spreading Associated with Earthquakes in California by E. W. Hart.
2. Catalogue of Ridge-top Spreading Localities of Probable Seismic Origin in California by E. W. Hart.
3. Ridge-top Spreading Features and Relationship to Earthquakes, San Gabriel Mountains Region, Southern California – Part A: *Distribution and Description of Ridge-top Depressions* (Sackungen) by J. P. McCalpin and E. W. Hart.
4. Ridge-top Spreading Features and Relationship to Earthquakes, San Gabriel Mountains Region, Southern California – Part B: *Paleoseismic Investigations of Ridge-top Depressions* by J. P. McCalpin and E. W. Hart.
5. Ridge-top Spreading Features and Associated Earthquakes, Cape Mendocino Area, California by E. W. Hart.
6. Ridge-top Spreading, San Francisco Bay Area, Field Trip Guide by K. B. Clahan and E. W. Hart.
7. Criteria for Determining the Seismic Significance of Sackungen and Other Scarplike Landforms in Mountainous Regions by J. P. McCalpin.

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